



38th International Symposium

ISMIS 2023

Feb 10/11, 2023

**Course for Percutaneous Endoscopic
Spinal Surgery and Complementary
Minimal Invasive Techniques**

**Symposium with international guest faculty
and technical exhibition**

Course Venue

Hirslanden Klinik Zurich, Switzerland

Course Chairmen

Benedikt Burkhardt, M.D. & Hansjörg Leu, M.D.

TOPICS IN PROGRAM

Endoscopic and minimal intervention in spine surgery for degenerative disorders, infectious disease, neoplastic disease, and trauma of the cervical, thoracic and lumbar spine.

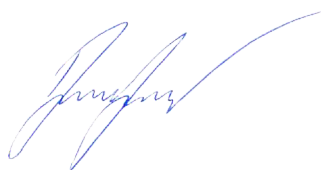
- Anatomical pathways and technical considerations in less invasive spinal surgery
- Evolution of minimal invasive spinal surgery and its state of the art
- Indication for percutaneous and minimal intervention procedures
- Percutaneous posterolateral intradiscal/transforaminal endoscopic techniques
- Percutaneous interlaminar and translaminar endoscopic techniques
- Endoscopic and minimal invasive intervertebral fusion procedures
- Minimal retroperitoneal operative pathways in the thoracolumbar spine
- Minimal open approaches to the anterior thoracolumbar spine
- Minimal invasive thoracoscopic disc surgery
- Minimal invasive vertebral body augmentation and stabilisation for tumours and trauma
- Interspinous process devices and dynamic fixation in the lumbar spine

Credits

The course has been accredited by the Swiss Society of Neurosurgery (SGNC) for 12 credits and by the Swiss Society of Orthopedics (SGO) for 8 credits.

About ISMISS

The 38th Course of the International Society for Minimal Intervention in Spinal Surgery – ISMISS will offer an in-person meeting experience, in Zurich, Switzerland, where leading spine surgeons, innovative researchers, and the most advanced spine technologies come together in an international forum to demonstrate and discuss recent advances in spine surgery. The course is open to anyone involved in the treatment of spinal disorders including spine surgeons, residents and fellows, physician assistants, nurses and other allied health professionals, and researchers.



Benedikt Burkhardt, M.D., Zurich, Switzerland
National Representative / Course Chairman



Hansjoerg Leu, M.D., Zurich, Switzerland
Past President ISMISS



**WIRBELSÄULENZENTRUM
SPINE CENTER ZÜRICH – WSC**
PD DR. MED. B. BURKHARDT & PD DR. MED. HJ. LEU



HIRSLANDEN 
KLINIK HIRSLANDEN

COURSE PROGRAM

Session 1 | Friday, Feb 10, 2023 | Chairmen: Hansjörg Leu & Kai Lewandrowski

15:00	Welcome and Introduction	Oertel, Joachim / Leu, Hansjörg	Homburg, Germany / Zurich, Switzerland
15:10	Pitfalls of spinal MRI diagnostic for the visualisation of nerve compression	Mamisch-Saupe, Nadja	Zurich, Switzerland
15:19	Can preoperative neurophysiological assessment predict clinical outcome?	Russmann, Heike	Zurich, Switzerland
15:28	Percutaneous fullendoscopic approach to the lumbar spine – Anatomical considerations to avoid complications	Yue, James	Hamden, USA
15:37	Exact location of the root compression point through images (MRI volumetric reconstruction). Is the Kambin triangle safe?	Vargas, Roth	Campinas, Brazil
15:46	The development process of blunt dilation system for endoscopic spinal approach	Tieber, Friedrich	Augsburg, Germany
15:55	Durability of Endoscopes Used During Routine Lumbar Endoscopy: An Analysis of Use Patterns, Common Failure Modes, Impact on Patient Care, and Contingency Plans	Lewandrowski, Kai	Tucson, USA
16:04	Learning curve in percutaneous endoscopic interlaminar and transforaminal disc procedure – Personal experience	Saftic, Robert	Zagreb, Croatia
16:13	Rare complication in MIS surgery	Kanaan, Tarek	Amman, Jordan
16:25 – 17:00	Break		

COURSE PROGRAM

Session 2 | Friday, Feb 10, 2023 | Chairmen: Ioannis Polythodorakis & Paul Park

17:00	Mini-open stand alone ALIF – Technical nuances and patients selection	Keel, Marius	Zurich, Switzerland
17:09	Endoscopic lumbar interbody fusion – Technical nuances and clinical results	Lewandrowski, Kai	Tucson, USA
17:18	Minimally invasive reduction of dysplastic spondylolisthesis	Lübbers, Thomas	Leer, Germany
17:27	L5-S1 Spondylolisthesis – Can we achieve reduction and fusion using minimally invasive percutaneous techniques. Tips and Tricks	Fürderer, Sebastian	Daun, Germany
17:36	Minimally invasive spine surgery in Neuromuscular Scoliosis	Polythodorakis, Ioannis	Athens, Greece
17:45	Adult Degenerative Scoliosis Correction: How does MIS Surgery fits in?	Park, Paul	Memphis, USA
17:54 – 18:00	Short break		

COURSE PROGRAM

Session 3 | Friday, Feb 10, 2023 | Chairmen: Joachim Oertel & Stefan Hellinger

18:00	Percutaneous endoscopic posterior cervical procedure. Technical tips and tricks	Morgenstern, Christian	Barcelona, Spain
18:09	Fullendoscopic anterior cervical disc surgery and interbody fusion – Personal experience	Hellinger, Stefan	Munich, Germany
18:18	Is there a role of hybrid surgery for the treatment of degenerative cervical disc disease	Gitter, Sebastian	Biberach, Germany
18:27	Endoscopic anterior cervical disc surgery using the Endospine – Technical tricks and clinical outcome	Rohidas, Shrinivas	Kohlhapur, India
18:36	Minimally invasive spine surgery in between cost efficiency and missing evidence for superior results: Where to do?	Oertel, Joachim	Homburg, Germany
19:00	End		

COURSE PROGRAM

Session 4 | Saturday, Feb 11, 2023 | Chairmen: Abdelfattah Saoud & Sebastian Gitter

08:30	Pitfalls of PMMA application for vertebral restoration and augmentation	Salomon, Franco	Zurich, Switzerland
08:39	Vertebral body restoration and augmentation using the quattroplasty method – Personal experience and radiographical findings	Kuhn, Harald	Cloppenburg, Germany
08:48	Vertebral body restoration – what are the limits	Fürderer, Sebastian	Daun, Germany
09:07	Thoracosopic surgery for neurogenic tumors – Tips and tricks	Guschcha, Artem	Moskau, Russia
09:16	Spine STAR – system for ablation of spinal tumors – Personal experience and results	Kurth, Andreas	Mainz, Germany
09:25	How does neuronavigation and robotic make surgery for spinal tumors less invasive?	Shiban, Ehab	Augsburg, Germany
09:34	Minimally invasive treatment option for spinal tumors	Schär, Ralph	Bern, Switzerland
09:45 – 10:30	Break		

COURSE PROGRAM

Session 5 | Saturday, Feb 11, 2023 | Chairmen: Robert Saftic & Benedikt Burkhardt

10:30	Percutaneous transforaminal approach to the lumbar spine – How much instability do we create by using reamers?	Widmer, Jonas	Zurich, Switzerland
10:39	Percutaneous endoscopic lumbar disc surgery using the outside-in technique. What are the limitations and what have I learned over the past decade	Saftic, Robert	Zagreb, Croatia
10:48	Percutaneous endoscopic lumbar discectomy – How to prevent and deal with intraoperative complications	Naderi, Sait	Istanbul, Turkey
10:57	Endoscopic transforaminal or interlaminar approach for lumbar disc herniation – When and why	Komp, Martin	Herne, Germany
11:06	Endoscopic TLA for Migrated lumbar disc herniation	Burkhardt, Benedikt	Zurich, Switzerland
11:15	Thoracic spine surgery it is necessary to locate the entry level of the magna radicular artery	Vargas, Roth	Campinas, Brazil
11:24	Inside-out and outside-in technique for thoracic disc herniation – Personal experience	Lübbers, Thomas	Leer, Germany
11:33	Single surgeon thoracoscopic disc surgery – Personal experience and technical nuances	Cornips, Erwin	Genk, Belgium
11:45 – 13:00	Break		

COURSE PROGRAM

Session 6 | Saturday, Feb 11, 2023 | Chairmen: Sait Naderi & Sebastian Senger

13:00	Endoscopic biportal surgery for degenerative disorders – Technical nuances and personal experience	Faundez, Antonio	Meyrin, Switzerland
13:09	Endoscopic method of removal of flavum ligament in canal stenosis with Destandau technique	Rohidas, Shrinivas	Kohlhapur, India
13:18	Biportal endoscopic spine surgery – Pitfalls and early learning curve	Mumcu, Cigdem	Istanbul, Turkey
13:27	Clinical outcomes with endoscopic resection of lumbar extradural cysts	Hellinger, Stefan	Munich, Germany
13:36	Endoscopic decompression of lateral recess stenosis	Senger, Sebastian	Homburg, Germany
13:45	Step-by-Step Sublaminar Approach with a Newly-Designed Spinal Endoscope for Unilateral-Approach Bilateral Decompression in Spinal Stenosis	Ito, Zenya	Aichi, Japan
13:54	Tubular microsurgical foraminoplasty: Surgical Technique and Clinical Outcomes	Soriano, Sergio	Mexico City, Mexico
14:03 – 14:30	Break		

COURSE PROGRAM

Session 7 | Saturday, Feb 11, 2023 | Chairmen: Jan Warnke & Christian Morgenstern

14:30	Endoscopic treatment of leptomeningo- pathies	Warnke, Jan	Zwickau, Germany
14:39	Minimal access treatment of sacral fractu- res and sacroiliac problems and pain	Saoud, Abdelfattah	Cairo, Egypt
14:48	Intradural SOL excision with Destandau technique	Rohidas, Shrinivas	Kohlhapur, India
14:57	Fullendoscopic transforaminal interbody fusion under thoracolumbar fascial block – What are the benefits?	Morgenstern, Christian	Barcelona, Spain
15:06	Sacroiliac joint disease – To fuse or not to fuse in patients with previous lumbar spinal fusion	Mesiwala, Ali	Los Angeles, USA
15:15	Postoperative Outcomes After Transsacral Epiduroscopic Laser Decompression in Japanese Patients: Denervation Therapy for Discogenic Low-Back Pain	Ito, Zenya	Aichi, Japan
15.24	Endoscopic uninstrumented transforaminal lumbar interbody fusion with allograft for surgical management of endstage degene- rative vaccum disc disease	Dowling, Alvaro	Santiago de Chile, Chile
15.33	MIS ELIF (Extraforaminal lumbar interbody fusion): A proposal far from scar tissue for revision surgery	Soriano, Sergio	Mexico City, Mexico
15:42	End		

INTERNATIONAL FACULTY



Oertel, Joachim, M.D.
Neurosurgeon, ISMISS President
Homburg, Germany



Leu, Hansjörg, M.D.
Orthopedic Surgeon
Zurich, Switzerland



Burkhardt, Benedikt, M.D.
Neurosurgeon
Zurich, Switzerland



Cornips, Erwin, M.D.
Neurosurgeon
Genk, Belgium



Hellinger, Stefan, M.D.
Orthopedic Surgeon
Munich, Germany



Dowling, Alvaro, M.D.
Neurosurgeon
Santiago de Chile, Chile



Ito, Zenya, M.D.
Neurosurgeon
Aichi, Japan



Faundez, Antonio, M.D.
Neurosurgeon
Meyrin, Switzerland



Kanaan, Tarek, M.D.
Neurosurgeon
Amman, Jordan



Fürderer, Sebastian, M.D.
Orthopedic Surgeon
Daun, Germany



Keel, Marius, M.D.
Orthopedic Surgeon
Zurich, Switzerland



Gitter, Sebastian, M.D.
Neurosurgeon
Biberach, Germany



Komp, Martin, M.D.
Orthopedic Surgeon
Herne, Germany



Guschcha, Artem, M.D.
Neurosurgeon
Moskau, Russia



Kuhn, Harald, M.D.
Orthopedic Surgeon
Cloppenburg, Germany

INTERNATIONAL FACULTY



Kurth, Andreas, M.D.
Orthopedic Surgeon
Mainz, Germany



Park, Paul, M.D.
Neurosurgeon
Memphis, USA



Lewandrowski, Kai, M.D.
Orthopedic Surgeon
Tucson, USA



Polythodorakis, Ioannis, M.D.
Neurosurgeon
Athens, Greece



Lübbers, Thomas, M.D.
Neurosurgeon
Leer, Germany



Rohidas, Shrinivas, M.D.
Neurosurgeon
Kohlhapur, India



Mamisch-Saupe, Nadja, M.D.
Radiologist
Zurich, Switzerland



Russmann, Heike, M.D.
Neurologist
Zurich, Switzerland



Mesiwala, Ali, M.D.
Neurosurgeon
Los Angeles, USA



Saftic, Robert, M.D.
Neurosurgeon
Zagreb, Croatia



Morgenstern, Christian, M.D.
Orthopedic Surgeon
Barcelona, Spain



Salomon, Franco, M.D.
Internal Medicine
Zurich, Switzerland



Mumcu, Cigdem, M.D.
Neurosurgeon
Istanbul, Turkey



Saoud, Abdelfattah, M.D.
Orthopedic Surgeon
Cairo, Egypt



Naderi, Sait, M.D.
Neurosurgeon
Istanbul, Turkey

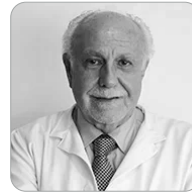


Schär, Ralph, M.D.
Neurosurgeon
Bern, Switzerland

INTERNATIONAL FACULTY



Senger, Sebastian, M.D.
Neurosurgeon
Homburg, Germany



Vargas, Roth, M.D.
Neurosurgeon
Campinas, Brazil



Shiban, Ehab, M.D.
Neurosurgeon
Augsburg, Germany



Warnke, Jan, M.D.
Neurosurgeon
Zwickau, Germany



Soriano, Sergio, M.D.
Neurosurgeon
Mexico City, Mexico



Widmer, Jonas, M.D.
Engineer
Zurich, Switzerland



Tieber, Friedrich, M.D.
Engineer
Augsburg, Germany



Yue, James, M.D.
Orthopedic Surgeon
Hamden, USA

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